

CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

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COUNTRY	East Germany	REPORT	
SUBJECT	VEB Funkwerk Koepenick-Progress Report on the Anti-Collision (Radar) Equipment	DATE DISTR.	11 February 1955
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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
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1. At the beginning of September 1954, a report was sent from Funkwerk Koepenick to the East German Ministry for Machine Construction and to the office of the Soviet Sea Register in Rostock (Eichendorffstrasse 8). An English version of this report is as follows:

"K9-51D - Anti-Collision Apparatus (Kollisionsschutzgeraet)

"Work on the anti-collision apparatus (K9a) was expedited during the second quarter of 1954 and, in particular, the production of the operational prototype was nearly completed.

"The construction of the aerial (rotating paraboloid type) was finished and it was mounted on the 30 meter high tower in the plant (Funkwerk Koepenick). Steps were taken to eliminate the disturbing noise of the motor, gearing and rotating field. The present aerial, which is to be used in the tests at sea in July 1954, does not, in its vertical characteristics, come up to the specifications of the Soviet Sea Register; it will also have to be modified in order to save weight. In subsequent models a truncated paraboloid aerial (Tortenschachtel-antennae)\* will be used.

"Cooperation between the commander of the ship (the STRALSUND), the dockyard, and the team from Funkwerk Koepenick will be requested during the tests at sea. Hitherto it has been possible to clear up all difficulties by frequent visits to the dockyard. The appointment of a chief technical supervisor in Department PG1 is expected to accelerate the completion of the apparatus, the testing of the installation, the preparation of the pilot series, the training of maritime personnel on the operation of the equipment and of technical personnel in the repair workshops, and the provision of measuring instruments.

"During the last quarter (June-August 1954), close contact was maintained by means of frequent discussions between the development, engineering design, and production departments. It was only by intervention at the practical level that many

\* Note: The literal translation of Tortenschachtel is cake box .

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bottlenecks in the completion of the scheduled task could be removed.


"Special importance was attached during this same period to tube development. Investigations into the stability of magnetrons were carried out with our own measuring instruments and the results made available to the tube factory.

"As the task progressed towards completion--the achievement of which by the scheduled date was assured by a brigade-work contract--the component units arrived in accordance with the designers' details. Test results of parts in operation gave a basis for the details of the final assembly; tests of the equipment, the production of a stabilized temporary converter, wiring diagrams, and the beginning of the work on the technical report of the apparatus all formed part of this period's activities.

"For the tests on board ship, a centimeter (signal) generator was built to check the sensitivity of the receiver and the output of the transmitter. An improved version of the impulse-spectrometer was produced for better supervision of transient effects in the 3-centimeter range.

"For the tests on board ship, 100 detectors were examined in order to find 30 usable ones; of these, only 3 came up to the regular world standards."

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 Comment. Possibly TFG (Technische Projektierung Geraete- technical projecting - devices) is meant. Department TEA, under Rudolph Manthey, has been developing this device.

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